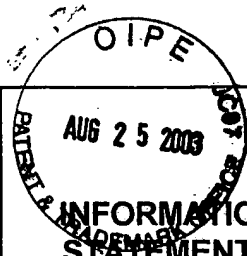


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| Application Number | 09/786,627 |
| Filing Date | April 17, 2001 |
| First Named Inventor | Joseph R. LAKOWICZ |
| Group Art Unit | To Be Assigned |
| Examiner Name | To Be Assigned |

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| Sheet | 1 | of | 2 | Attorney Docket Number | 2542-101 |
|-------|---|----|---|------------------------|----------|

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY |
|--------------------|-----------------------|----------------------|-------------------------|---|---|
| | | Number | Kind Code (if known) | | |
| | | 5,030,832 | | Williams et al. | 07/09/1991 |
| | | 5,448,992 | | Kupersmidt | 09/12/1995 |
| | | 5,527,684 | | Mabile et al. | 06/18/1996 |
| | | 5,770,454 | | Essenpreis et al. | 06/23/1998 |

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² |
|--------------------|-----------------------|--|----------------|
| | | Shabbir B. BAMBOT et al., "Sensing oxygen through skin using a red diode laser and fluorescence lifetimes," Biosensors & Bioelectronics 10(6/7):643-652 (1995). | |
| | | Felix N. CASTELLANO et al., "Long-Lifetime Ru(II) Complexes as Labeling Reagents for Sulfhydryl Groups," Analytical Biochemistry 255:165-170 (1998). | |
| | | Enrico GRATTON et al., "Resolution of Mixtures of Fluorophores Using Variable-Frequency Phase and Modulation Data," Biophys. J. 46:479-486 (October 1984). | |
| | | Ignacy GRYCZYNSKI et al., "Effects of Light Quenching on the Emission Spectra and Intensity Decays of Fluorophore Mixtures," J. of Fluorescence 7(3):167-183 (1997). | |
| | | Xiang-Qun GUO et al., "A Long-Lived, Highly Luminescent Re(I) Metal-Ligand Complex as a Biomolecular Probe," Analytical Biochemistry 254:179-186 (1997). | |
| | | Xiang-Qun GUO et al., "Use of a Long-Lifetime Re(I) Complex in Fluorescence Polarization Immunoassays of High-Molecular-Weight Analytes," Anal. Chem. 70(3):632-637 (February 1, 1998) | |
| | | Nectarios KLONIS et al., "Spectral Properties of Fluorescein in Solvent-Water Mixtures: Applications as a Probe of Hydrogen Bonding Environments in Biological Systems," Photochemistry and Photobiology 67(5):500-510 (1998). | |
| | | Joseph R. LAKOWICZ et al., "Frequency-Domain Fluorescence Spectroscopy," Topics in Fluorescence Spectroscopy, Vol. 1: Techniques, pp. 293-335, Plenum Press, New York, 1991. | |

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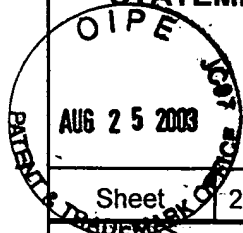
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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First Named Inventor Joseph R. LAKOWICZ

Group Art Unit To Be Assigned

Examiner Name To Be Assigned

Sheet 2

of 2

Attorney Docket Number 2542-101

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|--------------------|-----------------------|--|----------------|
| | | Joseph R. LAKOWICZ et al., "Construction and Performance of a Variable-Frequency Phase-Modulation Fluorometer," Biophysical Chemistry 21:61-78 (1985). | |
| | | Joseph R. LAKOWICZ et al., "Analysis of Fluorescence Decay Kinetics From Variable-Frequency Phase Shift and Modulation Data," Biophys. J. 46:463-477 (October 1984). | |
| | | Joseph R. LAKOWICZ et al., "Emerging Biomedical and Advanced Applications of Time-Resolved Fluorescence Spectroscopy," Journal of Fluorescence 4(1):117-136 (1994). | |
| | | Joseph R. LAKOWICZ et al., "Metal-ligand complexes as a new class of long-lived fluorophores for protein hydrodynamics and fluorescence polarization immunoassay," Proc. SPIE Vol. 2388:32-41 (1995). | |
| | | Max E. LIPPITSCH et al., "Luminescence lifetime-based sensing: new materials, new devices," Sensors and Actuators B 38-39:96-102 (1997). | |
| | | Lisa RANDERS-EICHHORN et al., "On-line Green Fluorescent Protein Sensor with LED Excitation," Biotechnology and Bioengineering 55(6):921-926 (1997). | |
| | | Jeffrey SIPIOR et al., "Single quantum well light emitting diodes demonstrated as excitation sources for nanosecond phase-modulation fluorescence lifetime measurements," Rev. Sci. Instrum. 67(11):3795-3798 (November 1996). | |
| | | Jeffrey SIPIOR et al., "Blue light-emitting diode demonstrated as an ultraviolet excitation source for nanosecond phase-modulation fluorescence lifetime measurements," Rev. Sci. Instrum. 68(7):2666-2670 (1997). | |
| | | Henryk SZMACINSKI et al., "Frequency-Domain lifetime measurements and sensing in highly scattering media," Sensors and Actuators B 30:207-215 (1996). | |
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| | | | |
| Examiner Signature | | Date Considered | |

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| First Named Inventor | Joseph R. LAKOWICZ |
| Group Art Unit | 2877 |
| Examiner Name | To Be Assigned |
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|-----------------------|--------------------------|--|--------------------|
| | | E. Gratton et al., "A Continuously Variable Frequency Cross-Correlation Phase Fluorometer with Picosecond Resolution," Biophys. J. 44:315-324 (December 1983). | |
| | | C. Hutchinson et al., "Fluorescence Lifetime-Based Sensing in Tissues: A Computational Study," Biophys. J. 68:1574-1582 (April 1995). | |
| | | H. Szmazinski et al., "Lifetime-Based Sensing," in Topics in Fluorescence Spectroscopy: Vol. 4: Probe Design and Chemical Sensing (JR Lakowicz, Ed.), Plenum Press, New York, pp. 295-334 (1994). | |
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